. Attorney Docket No. 033082 M 331

**PATENT** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Confirmation No.: 6363

Toshihisa NOZAWA, et al.

International Application No.: PCT/JP 2004/019406 Group Art Unit: To Be Assigned

International Filing Date: December 24, 2004 Examiner: To Be Assigned

Serial No.: 10/583,847 Filed: June 21, 2006

For: TEMPERATURE CONTROLLING METHOD FOR SUBSTRATE PROCESSING

SYSTEM AND SUBSTRATE PROCESSING SYSTEM

## RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNTIED STATES DESIGNATED/ ELECTED OFFICE (DO/EO/US)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

A Response to the Notification of Missing Requirements Under 35 U.S.C. 371, mailed June 11, 2008 is due by August 11, 2008. Applicants file herewith the following documents relating to the above-identified application:

- \* A copy of the Notice of Missing Requirements;
- \* English language translation of specification (24 pages):
- \* Formal Drawings (8 sheets and figs. 1-8);
- \* Second Information Disclosure Statement;
- \* Executed Assignment (2 pages), with Assignment Recordation Cover Sheet;
- \* Executed Declaration/Power of Attorney (3 pages); and
- \* Check for \$300.00 in payment of the following:

English translation surcharge (\$130) Late declaration surcharge (\$130), and recordation fee (\$40). If any additional fees are due in connection with this filing, such as fees under 37 C.F.R. §§ 1.16 or 1.17, the Commissioner is authorized to charge the fees to SGR Deposit Account No. 02-4300. Please credit any overpayment to SGR Deposit Account No. 02-4300.

Respectfully submitted,

SMITH, GAMBRELL & RUSSELL, LLP

Bv

Michael A. Makuch, Reg. 32,263 1130 Connecticut Avenue, Suite 1130

Washington, D.C. 20036 Telephone: 202 263 4300 Facsimile: 202 263 4329

Date: July 15, 2008

350

FEE TRANSMITTAL for FY 2005  Applicant claims small entity status. See 37 CFR 1.27  Applicant claims small entity status. See 37 CFR 1.27  Examiner Name  Not Yet Assigned  Altoriney Oockel No.  1033082 M 331  METHOD OF PAYMENT  S00.00  METHOD OF PAYMENT  S00.00  METHOD OF PAYMENT (check all that apply)  Check Credit Card Money Order None Other (please identify):  Deposit Account Deposit Account Number: 02-4300  Deposit Account Deposit Account Number: 02-4300  Deposit Account Deposit Account Number: 02-4300  Charge fee(s) indicated below Charge fee(s) indicated below Charge fee(s) indicated below Charge energy administration and sumbrazitation	Effective on 12/0	8/2004	1							
FEE TRANSMITTAL for FY 2005  Applicant claims small entity status. See 37 CFR 1.27  Examiner Name Not Yet Assigned  And Unit Not Yet Assigned  Extra Claim					nown					
Applicant claims small entity status. See 37 CFR 1.27   Examiner Name   Not Yet Assigned	EEE TOANGMITTAI		Application Number	10/583,847						
Applicant claims small entity status. See 37 CFR 1.27   Examines Name   Not Yet Assigned	•		Filing Date	June 21, 2006						
METHOD OF PAYMENT (check all that apply)  Show that the provided in the provi	······································	First Named Inventor	Toshihisa NOZAW	A						
METHOD OF PAYMENT   \$300.00	Applicant claims small entity s	tatus. See 37 CFR 1.27	Examiner Name	Not Yet Assigned	Not Yet Assigned					
METHOD OF PAYMENT (check all that apply)	TOTAL AMOUNT OF DAVAGNIT	4200.00	Art Unit -	Not Yet Assigned	•					
Check	TOTAL AMOUNT OF PAYMENT	\$300.00	Attorney Docket No.	033082 M 331						
Deposit Account Deposit Account Number:    Post the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	METHOD OF PAYMENT (check	all that apply)								
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)    Charge fee(s) indicated below   Charge fee(s) indicated below,	☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) :									
Charge fee(s) indicated below	Deposit Account Deposit Account Number: 02-4300 Deposit Account Name: Smith, Gambrell & Russell, LLP									
Charge any additional fee(s) or underpayments of fee(s) Under 37 CFR 1.16 and 1.17 WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  FEE CALCULATION  1. BASIC FILING, SEARCH, AND EXAMINATION FEES FILING FEES Small Entity Application Type Fee (\$) Fee(\$)	For the above-identified de	eposit account, the Director i	s hereby authorized to:	(check all that apply)						
United 37 CFR 1.16 and 1.17	Charge fee(s) indic	ated below	Cha	rge fee(s) indicated be	elow,					
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.    FEE CALCULATION			of fee(s) Cred	dit any overpayments						
FEE CALCULATION	Under 37 CFR 1.16 and 1.17 WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card									
FILING FEES   Small Entity   Fee(\$)										
FILING FEES   Small Entity   Fee(\$)	1. BASIC FILING, SEARCH, A	ND EXAMINATION FEE	S							
Application Type		G FEES S	EARCH FEES							
Utility	Application Type Fee (\$					Food Doid (\$)				
Design   210   105   100   50   130   65						rees Paid (\$)				
Plant   210   105   310   155   160   80	*									
Reissue   310   155   510   255   620   310	•									
Provisional   210   105   0										
2. EXCESS CLAIM FEES  Fee Description  Each claim over 20 (including Reissues)  Each independent claim over 3 (including Reissues)  Each independent claim over 3 (including Reissues)  Multiple dependent claims  Total Claims  Extra Claims  Fee(\$) Fee Paid (\$)  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  Extra Claims  Fee(\$) Fee Paid (\$)  2- 3 or HP = 0	***									
Fee Description Each claim over 20 (including Reissues) Each independent claim over 3 (including Reissues)  Multiple dependent claims  Total Claims  Extra Claims  Fee(\$) Fee Paid (\$)  Multiple Dependent Claim  13-20 or HP= 0 x \$50 = 0  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  Extra Claims Fee(\$) Fee Paid (\$)  2- 3 or HP= 0 \$210 = 0  HP = highest number of independent claims paid for, if greater than 3.  APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets Number of each additional 50 or fraction thereof.  100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(\$) Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filing surcharge): Late Filing Surcharge  \$130.00 0P 130.00 0P 130.00 0P		100	v		•	Small Entity				
Each claim over 20 (including Reissues) Each independent claim over 3 (including Reissues)  Multiple dependent claims  Total Claims  Extra Claims  Fee(\$)  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  Extra Claims  Extra Claims  Extra Claims  Fee(\$)  HP = highest number of independent claims paid for, if greater than 3.  APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  - 100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(\$)  Non-English Specification, \$130 fee (no small entity discount)  Other (c.g., late filling surcharge): Late Filling Surcharge  130.00 0P  130.00 0P  130.00 0P  130.00 0P										
Each independent claim over 3 (including Reissues)  Multiple dependent claims  Total Claims  Extra Claims  Fee(\$)  13-20 or HP=  0  x \$50 = 0    HP = highest number of total claims paid for, if greater than 20.   Indep. Claims  Extra Claims  Extra Claims  Fee(\$)  Fee Paid (\$)  2- 3 or HP=  0  \$210 = 0    HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(c)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof fee (\$)  Fee Paid (\$)  - 100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(\$)  Non-English Specification, \$130 fee (no small entity discount)  Other (c.g., late filing surcharge): Late Filing Surcharge  LANDGRA 00000042 10583847  Recordation Assignment Fee  \$40.00		eissues)								
Total Claims  13-20 or HP= 0 x \$50 = 0 Fee Paid (\$)  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  Extra Claims  Fee(\$) Fee Paid (\$)  2- 3 or HP= 0 \$210 = 0  HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  - 100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(\$)  Non-English Specification, \$130 fee (no small entity discount)  Other (e.g., late filing surcharge): Late Filing Surcharge  LANDGRA 00000042 10583847  Recordation Assignment Fee  \$40.00	Each independent claim over 3 (			210	- <del>-</del>					
13-20 or HP= 0 x \$50 = 0 Fee (\$) Fee Paid (\$)  HP = highest number of total claims paid for, if greater than 20.  Indep. Claims Extra Claims Fee(\$) Fee Paid (\$)  2- 3 or HP= 0 \$210 = 0  HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)  - 100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(\$) Fees Paid (\$)  Non-English Specification, \$130 fee (no small entity discount)  Other (e.g., late filing surcharge): Late Filing Surcharge  LANDGRA 00000042 10583847 Recordation Assignment Fee \$40.00										
HP = highest number of total claims paid for, if greater than 20.  Indep. Claims  Extra Claims  Pee(\$)  Pee Paid (\$)  2- 3 or HP = 0  HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(S)  Non-English Specification, \$130 fee (no small entity discount)  Other (e.g., late filing surcharge): Late Filing Surcharge  LANDGRA 00000042 10583847 Recordation Assignment Fee  \$40.00										
Indep. Claims   Extra Claims   Fee(\$)   Fee Paid (\$)			= 0			Fee Paid (\$)				
2- 3 or HP= 0 \$210 = 0  HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)  - 100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(S)  Non-English Specification, \$130 fee (no small entity discount)  Other (e.g., late filing surcharge): Late Filing Surcharge \$130.00  LANDGRA 00000042 10583847 Recordation Assignment Fee \$40.00		· -			\$370	\$0				
HP = highest number of independent claims paid for, if greater than 3.  3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) - 100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(S)  Non-English Specification, \$130 fee (no small entity discount)  Other (c.g., late filing surcharge): Late Filing Surcharge  \$130.00  LANDGRA 00000042 10583847 Recordation Assignment Fee \$40.00										
3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets		• • • • • • • • • • • • • • • • • • • •			•	•				
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) - 100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(S) Fees Paid (\$)  Non-English Specification, \$130 fee (no small entity discount) \$130.00  Other (c.g., late filing surcharge): Late Filing Surcharge \$130.00  LANDGRA 00000042 10583847 Recordation Assignment Fee \$40.00		in claims paid for, if greater than	١٥.			•				
listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) - 100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(S) Fees Paid (\$)  Non-English Specification, \$130 fee (no small entity discount) \$130.00  Other (c.g., late filing surcharge): Late Filing Surcharge \$130.00  LANDGRA 00000042 10583847 Recordation Assignment Fee \$40.00		exceed 100 cheets of name (	avoludina alastronicol	ly filed coopers or -	amnutar					
sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets Extra Sheets   Number of each additional 50 or fraction thereof   Fee (\$)   Fee Paid (\$)   - 100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(S)  Non-English Specification, \$130 fee (no small entity discount) Other (c.g., late filing surcharge): Late Filing Surcharge \$130.00  LANDGRA 00000042 10583847 Recordation Assignment Fee \$40.00						50				
Total Sheets Extra Sheets - 100 = 0 / 50 = 0 (round up to a whole number) x = 0  4. OTHER FEE(S) Non-English Specification, \$130 fee (no small entity discount) Other (c.g., late filing surcharge): Late Filing Surcharge LANDGRA 00000042 10583847 Recordation Assignment Fee \$40.00					additional					
4. OTHER FEE(S)  Non-English Specification, \$130 fee (no small entity discount)  Other (c.g., late filing surcharge): Late Filing Surcharge  LANDGRA 00000042 10583847  Recordation Assignment Fee  \$40.00	Total Sheets Extra	Sheets Number of ea	ach additional 50 o		Fee (\$)	Fee Paid (\$)				
Non-English Specification, \$130 fee (no small entity discount)  Other (c.g., late filing surcharge): Late Filing Surcharge  LLANDGRA 00000042 10583847  Recordation Assignment Fee  \$40.00		50 = <b>0</b> (re	ound <b>up</b> to a whole r	number) x		= 0				
Other (c.g., late filing surcharge): Late Filing Surcharge \$130.00 LLANDGRA 00000042 10583847 Recordation Assignment Fee \$40.00	4. OTHER FEE(S) Fees Paid (\$)									
LLANDGRA 00000042 10583847 Recordation Assignment Fee \$40.00  130.00 0P  130.00 0P	Non-English Specification	\$130.00								
130.00 DP 130.00 DP										
130,00 0P	LLANDGRA 00000042 10583847	Recordation As	ssignment Fee			\$40.00				
	130.00 GP				•					
	SUBMITTED BY									

Signature Name (Print/Type)

Michael A. Makuch

	(Attorney/Agent)	32,263	Telephone	202 263 4300	
			Date	July 15, 2008	J
· - · · · · · · · · · · · · · · · · · ·	•	•			



## United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

U.S. APPLICATION NUMBER NO. FIRST NAMED APPLICANT ATTY. DOCKET NO. 10/583.847 Toshihisa Nozawa 33082M331 441 INTERNATIONAL APPLICATION NO. SMITH, GAMBRELL & RUSSELL PCT/JP2004/019406 1130 CONNECTICUT AVENUE, N.W., SUITE:1130 I.A. FILING DATE PRIORITY DATE WASHINGTON, DC 20036 12/24/2004 12/25/2003 **CONFIRMATION NO. 6363** JUN 1 2 2008 **371 FORMALITIES LETTER** 

Date Mailed: 06/11/2008

## NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Priority Document
- Copy of the International Application filed on 06/21/2006
- Copy of the International Search Report filed on 06/21/2006
- Information Disclosure Statements filed on 06/21/2006
- Request for Immediate Examination filed on 06/21/2006
- U.S. Basic National Fees filed on 06/21/2006
- Priority Documents filed on 06/21/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. Note a processing fee will be required if submitted later than 30 months from the priority date.
- Processing fee of \$130 for providing the translation of the application and/or the Annexes later than 30 months from the priority date (37 CFR 1.492(i)).
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$260 for a Large Entity:

- \$130 Surcharge.
- \$130 for English translation surcharge required.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. <a href="https://sportal.uspto.gov/authenticate/Authenticate/Authenticate/SerLocalEPF.html">https://sportal.uspto.gov/authenticate/Authenticate/SerLocalEPF.html</a>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <a href="http://www.uspto.gov/ebc.">http://www.uspto.gov/ebc.</a>

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

VIRGINIA L IRBY	
Telephone: (703) 308-9140 EXT 229	